

1/27

07/960440

Figure 1A

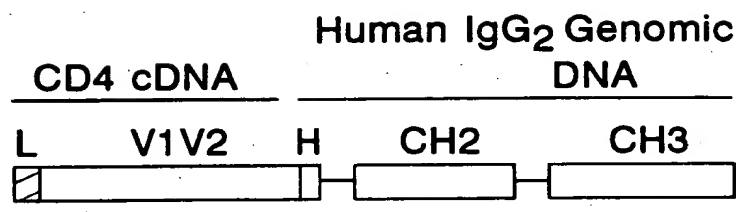
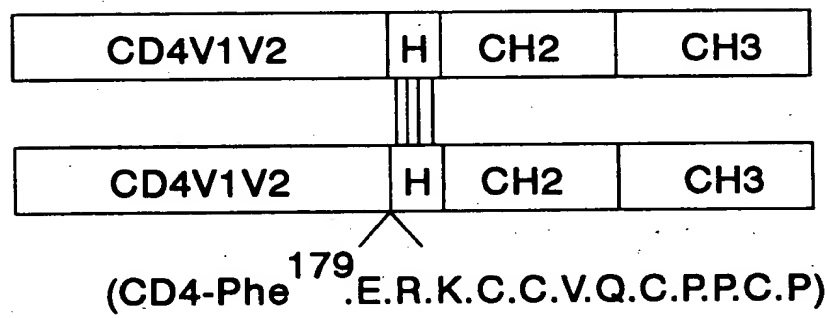


Figure 1B



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Figure 2A

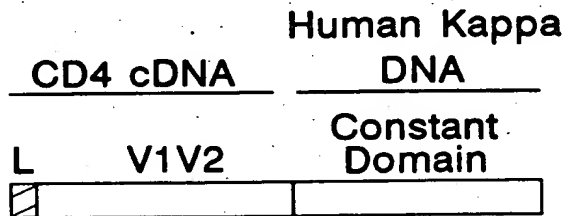
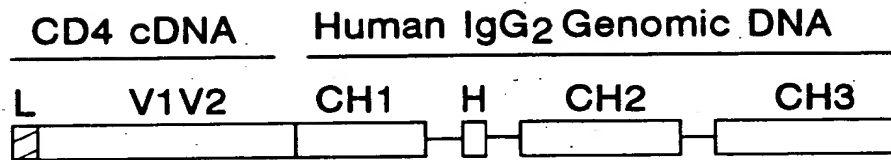
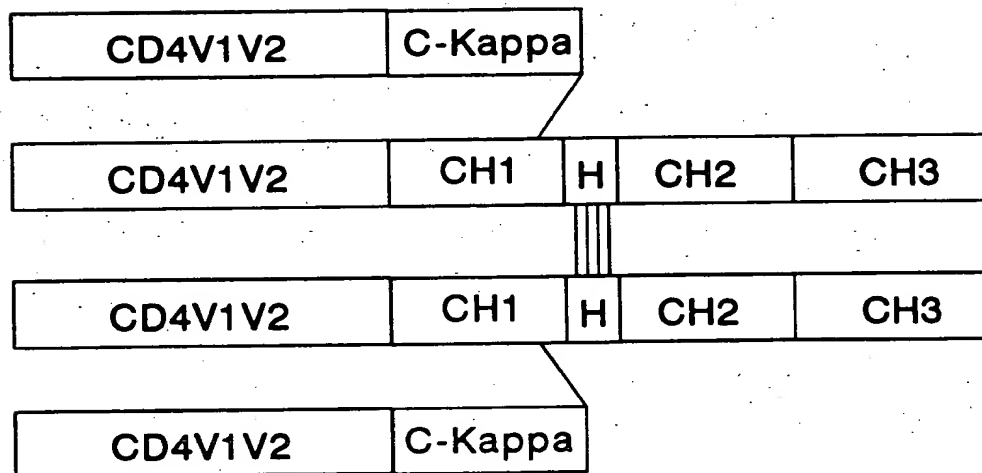


Figure 2B



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FIGURE 3

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4/27
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6/27
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8/27

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CAAGCCAGAGCCCTGCCATTCTGTGGCTCAGGTCCCTACTGCTCAGCCCTT 55
 CCTCCCTCGGCAAGGCCACAATG AAC CGG GGA GTC CCT TTT AGG CAC 102
 L L L V L Q L A L L P A A T
 TTG CTT CTG GTG CTG CAA CTG GCG CTC CTC CCA GCA GCC ACT 144
 -1 +1 -10 +10
 Q G K K V L G K K G D T V
 CAG GGA AAG AAA GTG GTG CTG GGC AAA AAA GGG GAT ACA GTG 186
 E L T C T A S Q K K S I Q F
 GAA CTG ACC TGT ACA GCT TCC CAG AAG AAG AGC ATA CAA TTC 228
 +20
 H W K N S N Q I K I L G N Q
 CAC TGG AAA AAC TCC AAC CAG ATA AAG ATT CTG GGA AAT CAG 270
 +30
 G S F L T K G P S K L N D R
 GGC TCC TTC TTA ACT AAA GGT CCA TCC AAG CTG AAT GAT CGC 312
 +50

→CD4

-20

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G S F L T K G P S K L N D R
GGC TCC TTC TTA ACT AAA GGT CCA TCC AAG CTG AAT GAT CGC 312

+60
A D S R R S L W D Q G N F P
GCT GAC TCA AGA AGA AGC CTT TGG GAC CAA GGA AAC TTC CCC 354

+70
L I I K N L K I E D S D T Y
CTG ATC ATC AAG AAT CTT AAG ATA GAA GAC TCA GAT ACT TAC 396

+90
I C E V E D Q K E E V Q L L
ATC TGT GAA GTG GAG GAC CAG AAG GAG GAG GTG CAA TTG CTA 438

+100
V F G L T A N S D T H L L Q
GTG TTC GGA TTG ACT GCC AAC TCT GAC ACC CAC CTG CTT CAG +110 480

+120
G Q S L T L T L E S P P G S
GGG CAG AGC CTG ACC CTG ACC TTG GAG AGC CCC CCT GGT AGT 522

+130
S P S V Q C R S P R G K N I
AGC CCC TCA GTG CAA TGT AGG AGT CCA AGG GGT AAA AAC ATA 564

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5/27

+140
Q G G G G G G A A G A A C C T C T C C G T G T C T C A G C T G G A G C T C C A G 606
+150
L E L Q

+160
D S G T W T C T V L Q N Q K 648
G A T A G T G G C A C C T G G A C A T G C T T G C A G A A C C A G A A G
+180
K V E F K I D I V V L A F E
A A G G T G G A G T T C A A A A T A G A C A T C G T G T G C T A G C T T T C G A G 690
→Hinge

+190
R K C C V E C P P C P 705
C G C A A A T G T T G T G T C G A G T G C C C G T G C C C A G G T A A G C C A G C C

C A G G C C T C G C C C T C C A G C T C A A G G C G G A C A G G T G C C C T A G A G T A G C C T G C A T C C 760
→CH2
A

A G G G A C A G G C C C A G C T G G T G C T G A C A C G T C C A C C T C C A T C T C T T C C T C A G C A 814

+200
P P V A G P S V F L F P P K 856
C C A C C T G T G G C A G G A C C G T C A G T C T T C T T C C C C C A A A A

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+210
P K D T L M I S R T P E V T
CCC AAG GAC ACC CTC ATG ATC TCC CGG ACC CCT GAG GTC ACG 898

+220
C V V V D V S H E D P E V Q
TGC GTG GTG GAC GTG AGC CAC GAA GAC CCC GAG GTC CAG 940

+230
F N W Y V D G V E V H N A K
TTC AAC TGG TAC GTG GAC GGC GTG GAG GTG CAT AAT GCC AAG 982

+240
T K P R E E Q F N S T F R V
ACA AAG CCA CGG GAG GAG CAG TTC AAC AGC ACG TTC CGT GTG 1024

+250
V S V L T V V H Q D W L N G
GTC AGC GTC CTC ACC GTT GTG CAC CAG GAC TGG CTG AAC GGC 1066

+260
K E Y K C K V S N K G L P A
AAG GAG TAC AAG TGC AAG GTC TCC AAC AAA GGC CTC CCA GCC 1108

+270
+280
P I E K T I S K T K
CCC ATC GAG AAA ACC ATC TCC AAA ACC AAAGTGGACCCGCGGG 1154

7/27

1209

TATGAGGCCACATGGACAGAGCGCGCTGGCCACCCTCTGCCCTGGGAGTGA

└→CH3

+300

G Q P R E P Q

1256

CCGCTGTGCCAACCTCTGTCCCTACAGGG CAG CCC CGA GAA CCA CAG

+310

+320

V Y T L P P S R E E M T K N

1298

GTG TAC ACC CTG CCC CCA TCC CGG GAG GAG ATG ACC AAG AAC

+330

+340

Q V S L T C L V K G F Y P S

1340

CAG GTC AGC CTG ACC TGC CTG GTC AAA GGC TTC TAC CCC AGC

+340

+350

D I A V E W E S N G Q P E N

1382

GAC ATC GCC GTG GAG TGG GAG AGC AAT GGG CAG CCG GAG AAC

+350

+360

+370

N Y K T T P P M L D S D G S

1424

AAC TAC AAG ACC ACA CCT CCC ATG CTG GAC TCC GAC GGC TCC

+370

+380

F F L Y S K L T V D K S R W

1466

TTC TTC CTC TAC AGC AAG CTC ACC GTG GAC AAG AGC AGG TGG

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L	H	N	H	Y	T	Q	K	S	L	S	P
CTG CAC AAC CAC TAC ACG CAG AAG AGC CTC TCC CTG TCT CCG											
								+410			1550

G K stop
GGT AAA TGAGTGCCACGGCCGGCAAGCCCCCGCTCCCCAGGCTCTCGGGTGG 1603

CGTGAGGATGCTTGGCACGTACCCCGTGTAATACTCCAGGCACCCAGCATGG 1658

AAATAAGCACCCAGCGCTGCCCTGGGCCCTGCGAGACTGTGATGGTCTTTC

GTGGGTCAGGCCGAGTCTGAGGCCCTGAGTGGCATGAGGGAGGCAGAGTGGGTC... 1766

FIGURE 4

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10/27
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15/27
16/27

CAAGCCAGAGCCCTGCCATTTCTGTGGGCTCAGGTCCTACTGCTCAGCCCTT 55
 → CD4
 M N R G V P F R H
 -20
 CCTCCCTCGGCAAGGCCACAATG AAC CGG GGA GTC CCT TTT AGG CAC 102
 -10
 L L L V L Q L A L L P A A T
 TTG CTT CTG GTG CTG CAA CTG GCG CTC CTC CCA GCA GCC ACT 144
 -1 +1 +10
 Q G K V V L G K K G D T V
 CAG GGA AAG AAA GTG GTG CTG GGC AAA AAA GGG GAT ACA GTG 186
 +20
 E L T C T A S Q K K S I Q F
 GAA CTG ACC TGT ACA GCT TCC CAG AAG AAG AGC ATA CAA TTC 228
 +30 +40
 H W K N S N Q I K I L G N Q
 CAC TGG AAA AAC TCC AAC CAG ATA AAG ATT CTG GGA AAT CAG 270
 +50
 G S F L T K G P S K L N D R
 GGC TCC TTC TTA ACT AAA GGT CCA TCC AAG CTG AAT GAT CGC 312

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10/27

										+60			
A	D	S	R	S	L	W	D	Q	G	N	F	P	
GCT	GAC	TCA	AGA	AGC	CTT	TGG	GAC	CAA	GGA	AAC	TTC	CCC	
												354	
										+70			
L	I	I	K	N	L	K	I	E	D	S	D	T	Y
CTG	ATC	ATC	AAG	AAT	CTT	AAG	ATA	GAA	GAC	TCA	GAT	ACT	TAC
												396	
										+80			
I	C	E	V	E	D	Q	K	E	E	V	Q	L	L
ATC	TGT	GAA	GTG	GAG	GAC	GAG	AAG	GAG	GAG	GTG	CAA	TTG	CTA
												438	
										+90			
V	F	G	L	T	A	N	S	D	T	H	L	L	Q
GTG	TTC	GGA	TTG	ACT	GCC	AAC	TCT	GAC	ACC	CAC	CTG	CTT	CAG
												480	
										+100			
G	Q	S	L	T	L	T	L	E	S	P	P	G	S
GGG	CAG	AGC	CTG	ACC	CTG	ACC	TTG	GAG	AGC	CCC	CCT	GGT	AGT
												522	
										+110			
										+120			
S	P	S	V	Q	C	R	S	P	R	G	K	N	I
AGC	CCC	TCA	GTG	CAA	TGT	AGG	AGT	CCA	AGG	GGT	AAA	AAC	ATA
												564	
										+130			

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11/27

+140
 Q G G K T L S V S Q L E L Q
 CAG GGG GGG AAG ACC CTC TCC GTG TCT CAG CTG GAG CTC CAG 606

+160
 D S G T W T C T V L Q N Q K
 GAT AGT GGC ACC TGG ACA TGC ACT GTC TTG CAG AAC CAG AAG 648

+170
 K V E F K I D I V V L A F A
 AAG GTG GAG TTC AAA ATA GAC ATC GTG GTG CTA GCT TTC GCC 690

→CH1
 +180

+190
 S T K G P S V F P L A P C S
 TCC ACC AAG GGC CCA TCG GTC TTC CCC CTG GCG CCC TGC TCC 732

+200
 R S T S E S T A A L G C L V
 AGG AGC ACC TCC GAG AGC ACA GCC GGC CTG GGC TGC CTG GTC 774

+210
 K D Y F P E P V T V S W N S
 AAG GAC TAC TTC CCC GAA CCG GTG ACG GTG TCG TGG AAC TCA 816

+230
 G A L T S G V H T F P A V L
 GGC GCT CTG ACC AGC GGC GTG CAC ACC TTC CCA GCT GTC CTA 858

REF ID: A66927

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[illegible]

13/27

GGGAGGACCCCTGCCCTGACCTAAGCCGACCCCAAGGCCAAACTGTCCACTCCC 1315

TCAGCTCGGACACCTTCTCTCTCCAGATCCGAGTAACTCCCAATCTTCTCTCT 1370

Hinge
→
+280

E R K C C V E C P P C P
GCAGAG CGC AAA TGT TGT GTC GAG TGC CCA CCG TGC CCAGGTAAG 1415

CCAGCCAGGCCTCGCCCTCCAGCTCAAGGGGGACAGGTGCCCTAGAGTAGCCT 1470

GCATCCAGGACAGGCCCCAGCTGGGTGCTGACACGTCCACCTCCATCTCTTCCT 1525

→CH2
+290

A P P V A G P S V F L F P P
CAGCA CCA CCT GTG GCA GGA CCG TCA GTC TTC CTC TTC CCC CCA 1569

+310

K P K D T L M I S R T P E V
AAA CCC AAG GAC ACC CTC ATG ATC TCC CGG ACC CCT GAG GTC 1611

+320

+330

T C V V V D V S H E D P E V
ACG TGC GTG GTG GAC GTG AGC CAC GAA GAC CCC GAG GTC 1653

KOD START

14/27

Q F N W Y V D G V E V H N A
CAG TTC AAC TGG TAC GTG GAC GGC GTG GAG GTG CAT AAT GCC 1695

+340
K T K P R E E Q F N S T F R
AAG ACA AAG CCA CGG GAG GAG CAG TTC AAC AGC ACG TTC CGT 1737

+360
V V S V L T V V H Q D W L N
GTG GTC AGC GTC CTC ACC GTT GTG CAC CAG GAC TGG CTG AAC 1779

+370
G K E Y K C K V S N K G L P
GGC AAG GAG TAC AAG TGC AAG GTC TCC AAC AAA GGC CTC CCA 1821

+380
A P I E K T I S K T K
GCC CCC ATC GAG AAA ACC ATC TCC AAA ACC AAAGTGGACCCGC 1866

+390
GGGTATGAGGCCACATGGACAGAGCGCGGCTCGGCCACCCTCTGCCCTGGGA 1921

→CH3
+400
G Q P R E P Q
GTGACCGCTGTGCCAACCTCTGTCCCTACAGG CAG CCC CGA GAA CCA CAG 1972

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Sequence	Position
V Y T L P P S R E E M T K N	2014
GTG TAC ACC CTG CCC CCA TCC CGG GAG GAG ATG ACC AAG AAC	
+420	
Q V S L T C L V K G F Y P S	2056
CAG GTC AGC CTG ACC TGC CTG GTC AAA GGC TTC TAC CCC AGC	
+440	
D I A V E W E S N G Q P E N	2098
GAC ATC GCC GTG GAG TGG GAG AGC AAT GGG CAG CCG GAG AAC	
+450	
N Y K T T P P M L D S D G S	2140
AAC TAC AAG ACC ACA CCT CCC ATG CTG GAC TCC GAC GGC TCC	
+460	
F F L Y S K L T V D K S R W	2182
TTC TTC CTC TAC AGC AAG CTC ACC GTG GAC AAG AGC AGG TGG	
+470	
Q Q G N V F S C S V M H E A	2224
CAG CAG GGG AAC GTC TTC TCA TGC TCC GTG ATG CAT GAG GCT	
+480	
Q Q G N V F S C S V M H E A	
CAG CAG GGG AAC GTC TTC TCA TGC TCC GTG ATG CAT GAG GCT	
+490	
L H N H Y T Q K S L S L S P	2266
CTG CAC AAC CAC TAC ACG CAG AAG AGC CTC TCC TCC CTG TCT CCG	
+500	
L H N H Y T Q K S L S L S P	
CTG CAC AAC CAC TAC ACG CAG AAG AGC CTC TCC TCC CTG TCT CCG	

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16/27

G K stop

GGT AAA TGAGTGCCACGGCCGGAAGCCCCGCTCCCCAGGCTCTCGGGGTCG 2319

CGTGAGGATGCTTGGCACGTACCCCGTGACATACTTCCCAGGCACCCAGCATGG 2374

AAATAAGCACCCAGCGCTGCCCTGGGCCCTGCCGAGACTGTGATGGTTCTTCC 2429

GTGGGTCAGGCCGAGTCTGAGGCCTGAGTGGCATGAGGGAGCAGAGTGGGTC... 2482

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FIGURE 5

17/27
FIGURE 5
18/27
19/27
20/27

17/27

CAAGCCAGAGCCCTGCCATTCTGTGGCTCAGGTCCCTACTGCTCAGCCCCTT 55
 CCTCCCTCGCAAGCCACAATG AAC CGG GGA GTC CCT TTT AGG CAC 102
 M N R G V P F R H
 -20
 L L L V L Q L A L L P A A T
 TTG CTT CTG GTG CTG CAA CTG GCG CTC CTC CCA GCA GCC ACT 144
 -10
 -1 +1
 Q G K K V V L G K K G D T V
 CAG GGA AAG AAA GTG GTG CTG GGC AAA AAA GGG GAT ACA GTG 186
 +10
 E L T C T A S Q K K S I Q F
 GAA CTG ACC TGT ACA GCT TCC CAG AAG AAG AGC ATA CAA TTC 228
 +20
 H W K N S N Q I K I L G N Q
 CAC TGG AAA AAC TCC AAC CAG ATA AAG ATT CTG GGA AAT CAG 270
 +30
 G S F L T K G P S K L N D R
 GGC TCC TTC TTA ACT AAA GGT CCA TCC AAG CTG AAT GAT CGC 312
 +50

18/27

+60
A D S R R S L W D Q G N F P
GCT GAC TCA AGA AGC CTT TGG GAC CAA GGA AAC TTC CCC 354

+70
L I I K N L K I E D S D T Y
CTG ATC ATC AAG AAT CTT AAG ATA GAA GAC TCA GAT ACT TAC 396

+90
I C E V E D Q K E E V Q L L
ATC TGT GAA GTG GAG GAC CAG AAG GAG GAG GTG CAA TTG CTA 438

+100
V F G L T A N S D T H L L Q
GTG TTC GGA TTG ACT GCC AAC TCT GAC ACC CAC CTG CTT CAG 480

+120
G Q S L T L T L E S P P G S
GGG CAG AGC CTG ACC CTG ACC TTG GAG AGC CCC CCT GGT AGT 522

+130
S P S V Q C R S P R G K N I
AGC CCC TCA GTG CAA TGT AGG AGT CCA AGG GGT AAA AAC ATA 564

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19/27

+140
 Q G G K T L S V S Q L E L Q
 CAG GGG GGG AAG ACC CTC TCC GTG TCT CAG CTG GAG CTC CAG 606

+150
 D S G G T W T C T V L Q N Q K
 GAT AGT GGC ACC TGG ACA TGC ACT GTC TTG CAG AAC CAG AAG 648

+160
 K V E F K I D I V V L A F T
 AAG GTG GAG TTC AAA ATA GAC ATC GTG GTG CTA GCT TTC ACT 690

+170
 V A A P S V F I F P P S D E
 GTG GCT GCA CCA TCT GTC TTC ATC TTC CCG CCA TCT GAT GAG 732

+180
 Q L K S G T A S V V C L L N
 CAG TTG AAA TCT GGA ACT GCC TCT TCT GTT GTG TGC CTG CTG AAT 774

+190
 +200
 +210
 N F Y P R E A K V Q W K V D
 AAC TTC TAT CCC AGA GAG GCC AAA GTA CAG TGG AAG GTG GAT 716

+220
 N A L Q S G N S Q E S V T E
 AAC GCC CTC CAA TCG GGT AAC TCC CAG GAG AGT GTC ACA GAG 758

+230

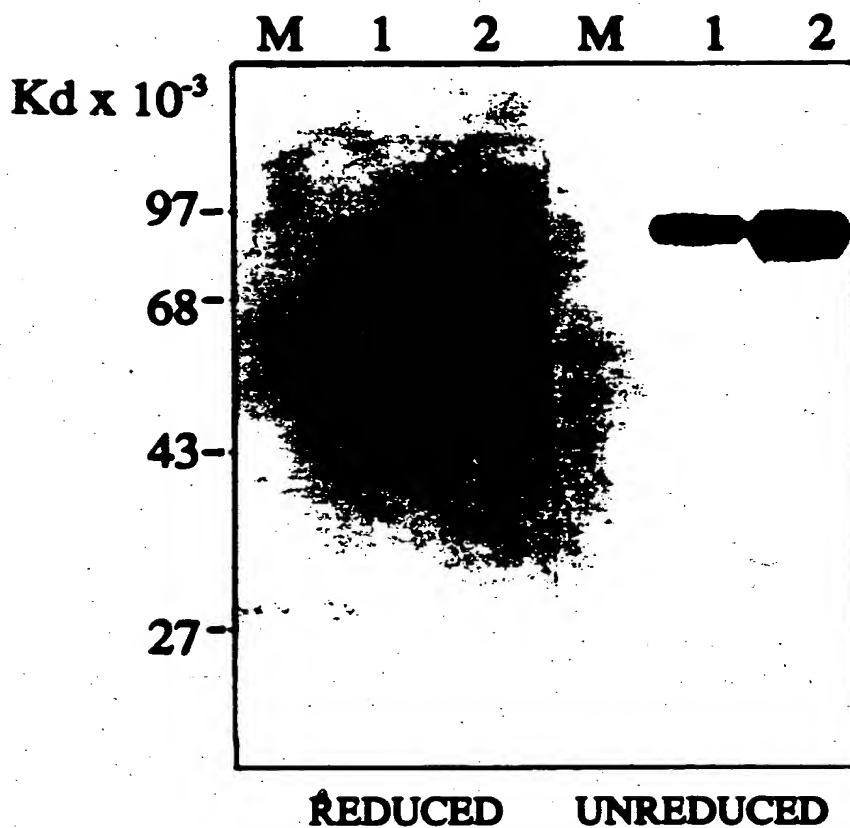
→ Ckappa

TCCTT

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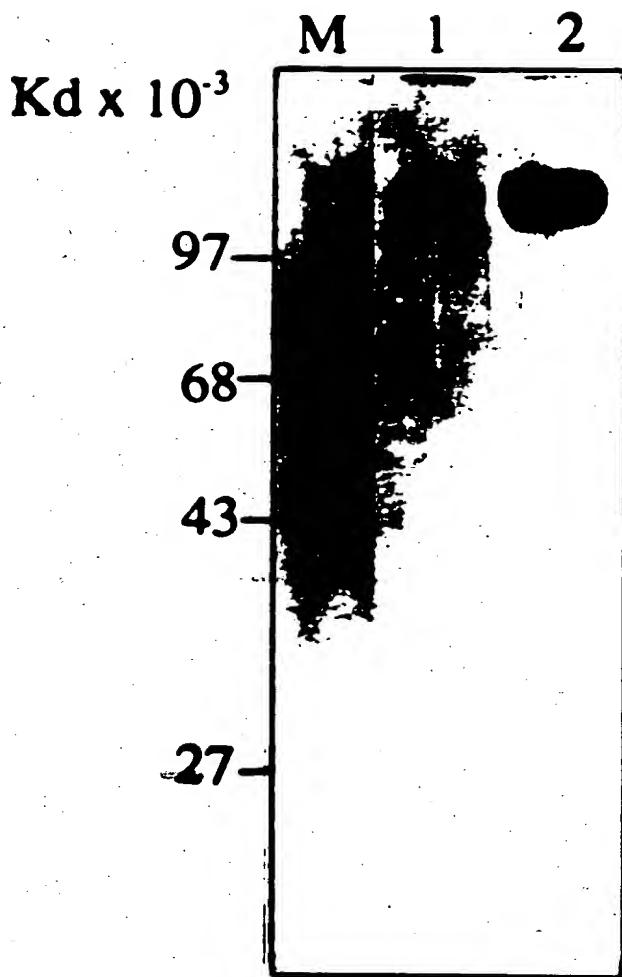
Figure 6



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Figure 7

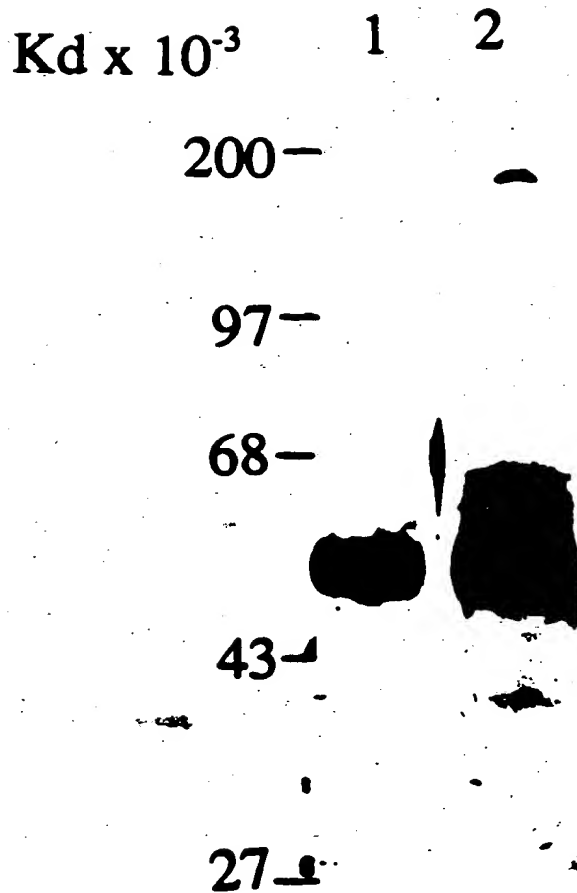


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Figure 8



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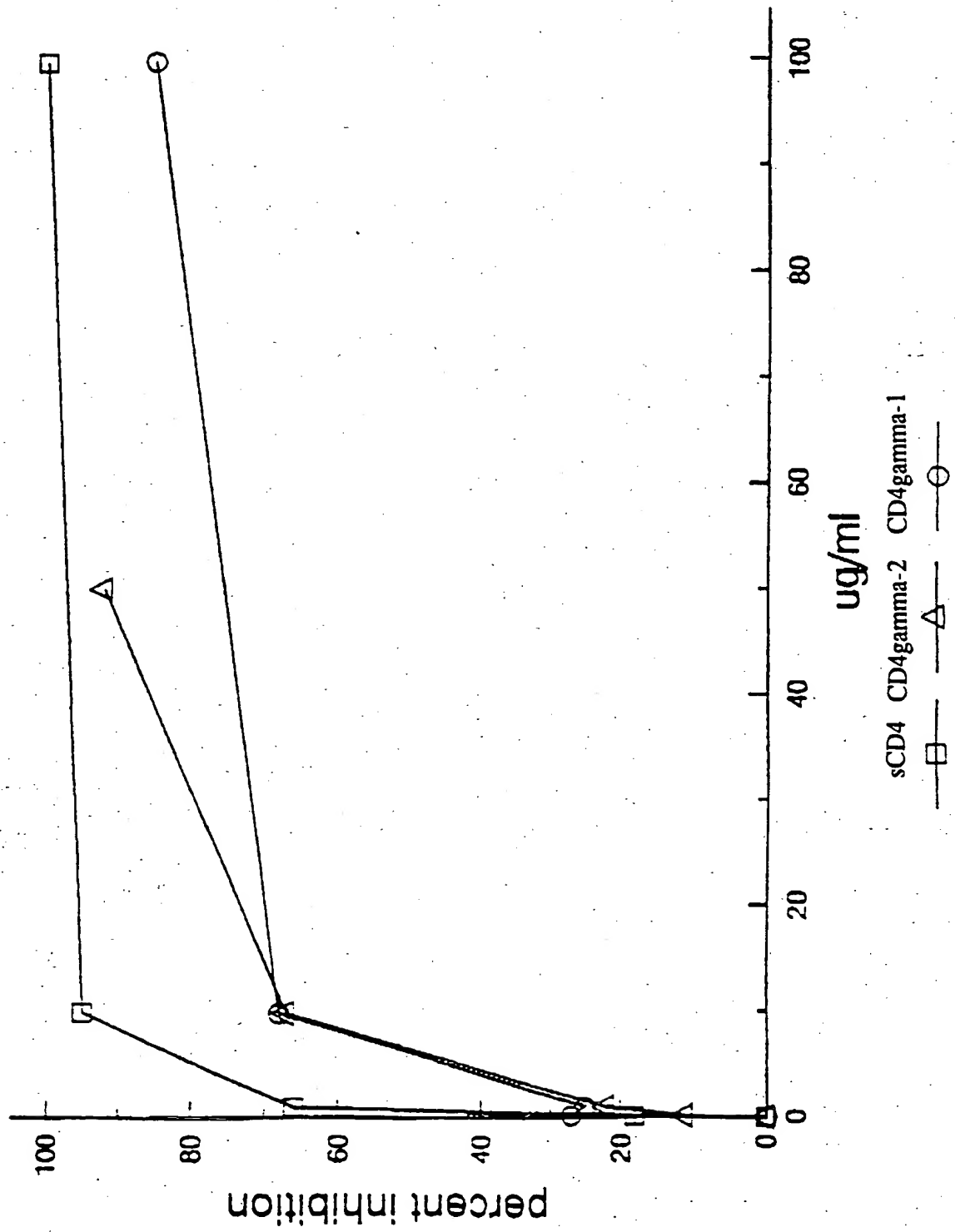
15001 8330

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FIGURE 9



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FIGURE 10

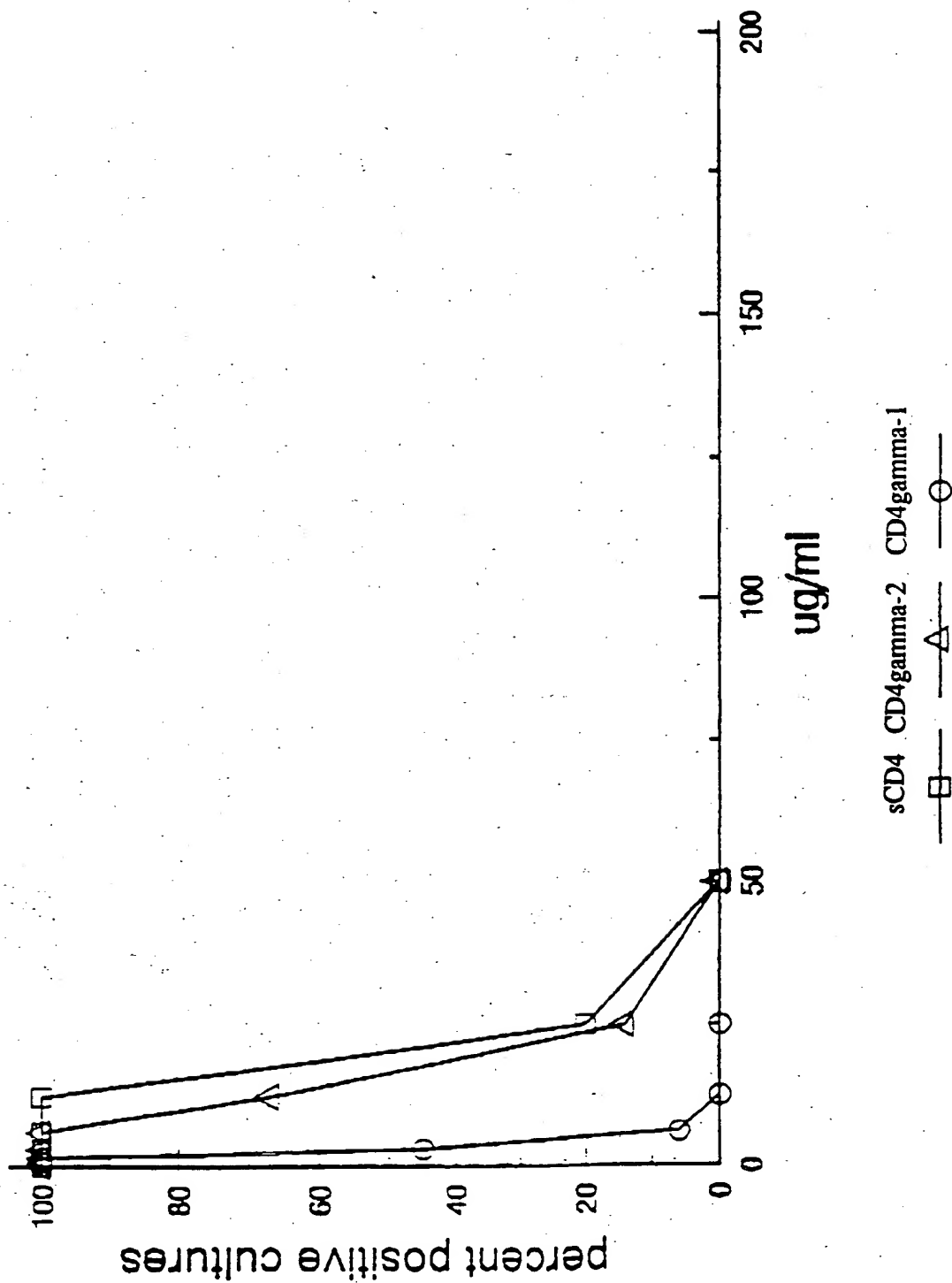
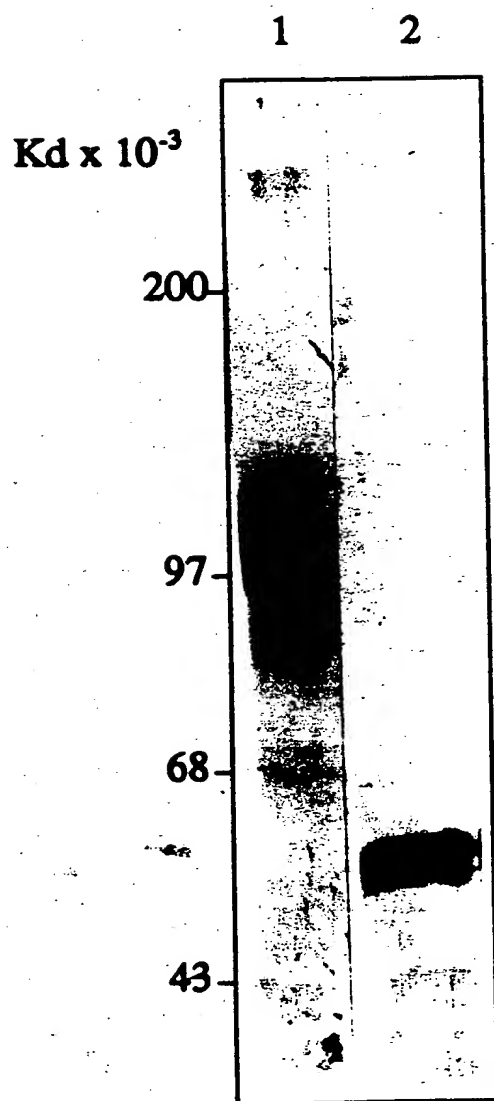


Figure 11



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Figure 12B

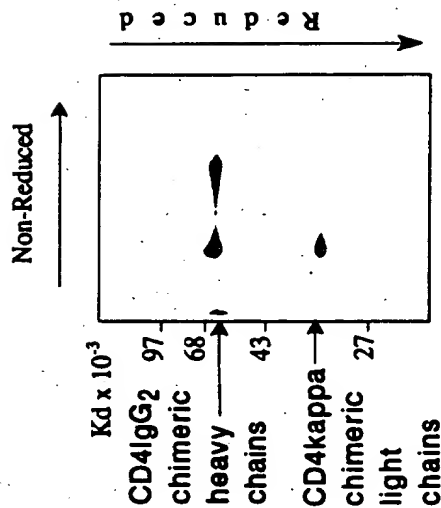


Figure 12A

